

Date: Wed, 16 Jun 93 06:00:00 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #734
To: Info-Hams

Info-Hams Digest Wed, 16 Jun 93 Volume 93 : Issue 734

Today's Topics:

 6M multi-hop Es to the US
Are we losing our technical abilities?
 Attn SFO area
 CQ Alaska, Florida, or Idaho
 Digital microwave project
 DR-600T/TH-78A mods?
 Signals for the Far Side ...
 Uniden M8100
 VK2WI Weekly News, 13 June 1993
 Wanted: High-Power Amp for 144MHz
 ZL policy on Morse Code

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Wed, 16 Jun 1993 07:20:37 GMT
From: mcsun!sunic!ugle.unit.no!trane.uninett.no!news.eunet.no!nuug!statoil!ddm3!
magne@uunet.uu.net
Subject: 6M multi-hop Es to the US
To: info-hams@ucsd.edu

Fred McKenzie (fred-mckenzie@ksc.nasa.gov) wrote:
: Can any of you experienced 6 Meter operators give me some advice? Is there
: a single frequency that would be good to monitor, to hear early signs of a
: band opening? Where do DX CW stations hang out? Many seem to be
: collecting "grid squares". Are they only interested in the first 4
: characters, or does anyone want all 6?

I don't know the U.S bandpland, but here is the Region 1 plan (Europe etc.)
Since EU is DX for you, this may be what you're looking for. Lots of EU-guys
monitor 110...

In contests, it is common (at least in EU) to include all 6 characters of the
square in the test report. In "normal" qso's, it varies. I think most
operators will accept the first 4. I normally exchange all 6, but reduces
to 4 on marginal conditions.

50.000 - 50.100	CW
020 - 080	Beacon
090	CW Activity Centre
50.100 - 50.500	Narrowband, All Modes
100 - 130	Intercontinental
110	DX only!
185	Cross Band Activity Centre
200	SSB Activity Centre
300	Meteor Scatter CW Activity Centre
350	Meteor Scatter SSB Activity Centre
50.500 - 52.000	All Modes
600	FSK / RTTY
620 - 750	Packet
51.110	VK / ZL Calling Frequency
410 - 590	FM Channels - 20KHz step
510	FM Calling Frequency

73 de Magne LA1BFA (JP53EK)
magne@statoil.no

Date: Wed, 16 Jun 1993 03:27:14 GMT
From: netcomsv!netcom.com!netcomsv!bongo!julian@decwrl.dec.com
Subject: Are we losing our technical abilities?
To: info-hams@ucsd.edu

In article <1vli8k\$756@techbook.techbook.com> genew@techbook.techbook.com (Gene
Wolford) writes:

>
>I am forwarding this email discussion to the newsgroup in case someone may
>think it worthy of futher consideration.
>
>>From: davids@ims.com
>>
>>Apparently (a) the "J-slot" antennas he was talking about were not mobile,

>>but fixed, and (b) "J-slot" is (or was) the BRAND NAME of an antenna made
><by some company in Californiatia or someplace. AND, they were a type of
>>Yagi or something with 12 or 13 elements, and possibly a special driven
>>element. AND, the two guys he knew who were screwing around with them had
>>TWO of them mounted on a mast, and had done computer modeling on the result,
>>to the extent that they'd gotten the array to put out a 36" wide "beam" on
>>2 meters, with which they could talk all the way up and down Southern
>>Californiatia.

>>

>>this all happened 20 years ago.

>>

>>He says "they're losing the technology", i.e. the hams of today are
>>SO STUPID, (UNEDUCATED) that all they can do is "go buy a box and
>>hook it up, so they don't have to think".

This is trully wonderful. The "J-slot" must I assume be the
J-Beam skeleton slot. Made in the U.K., Very popular over 20 years
ago. With two getting a one meter wide beam? Really?

The skeleton slot was no more than a pair of stacked Yagis. It
was fed with an arrangement called a "skeleton slot". It was usually a
pair of 6 or 8 ele Yagis.

We haven't "lost technology". All you need to know about the
J-Beam skeleton slot is available in old handbooks from both the RSGB
and ARRL.

And what did these guys do 20 years ago? Well they "go buy a
box and hook it up so they don't have to think". Yes, you purchased
J-Beam Yagis, just like you purchase Cushcraft and KLM today. Nothing
has changed. Nothing magical happened 20 years ago.

So what about the above is suspicious? 1. claiming the J-Beam
was made in California. 2. Claiming 2 J-Beams with give a beamwidth of
36" (not stating at what point - two meters in front or two hundred
kilometers). 3. Amateurs doing antenna computer modelling 20 years
ago.

Looks like an urban legend in the making to me.

--

Julian Macassey, N6ARE julian@bongo.tele.com Voice: (213) 653-4495
Paper Mail: 742 1/2 North Hayworth Avenue, Hollywood, California 90046-7142

Date: Wed, 16 Jun 1993 01:27:03 GMT
From: pacbell.com!iggy.GW.Vitalink.COM!wetware!spunky.RedBrick.COM!psinntp!
psinntp!iat.holonet.net!bwilkins@ames.arpa

Subject: Attn SFO area
To: info-hams@ucsd.edu

mcduffie@unl.edu (Gary McDuffie Sr) writes:

: This may seem a strange place to post such a request, but I couldn't
: come up with a better one. I've been a ham long enough to know that
: there are hams in every job imaginable and this might find one who can
: help.

:

: I'm going to be in the Bay Area early next month and have heard that
: if you know the right person, you can get up in the south tower of the
: GGB. If anyone knows someone who can arrange such, I would be happy to
: communicate with them via whatever means necessary.

:

: I have a tour of the Mt.Sutro tower arranged and would like to add
: this to the things I've done in my city of birth.

:

The Upper platforms of Sutro Tower now require the wearing of an rf
radiation suit..I hope it is not a warm day for your tour. The mega-watt
channel 20 transmitter tipped the balance. Yes the EPA made them do it.

It has been several years since I have been up the south tower of the
bridge, at that time the bridge 480 radios and a passive microwave system
were operational on the top.

Out here we call this " site seeing " enjoy your trip.

--

Bob Wilkins n6fri voice 440.250+ 100pl san francisco bay area
bwilkins@holonet.net packet n6fri @ n6eeg.#nocal.ca.usa.na

Date: 16 Jun 93 11:54:16 GMT
From: news-mail-gateway@ucsd.edu
Subject: CQ Alaska, Florida, or Idaho
To: info-hams@ucsd.edu

Are there any netters out there in Florida, Alaska, or Idaho with 2x1, 1x2,
or 2x2 "A" calls who would be willing to try a 75 meter phone sked in the
extra-class portion of the band? That's all I need for the 75m WAS award,
and the Geratol Net (which meets for that purpose) doesn't start up again
until October. 'Course I know what the 20 over 9 background noise on 75m
is like in the summer, but it wouldn't hurt to try anyway. And every once
in awhile it gets quiet here in North Carolina.

steve - W3GRG
mosier@iris.uncg.edu dit dit

Date: 16 Jun 93 04:03:13 GMT
From: ogicse!netnews.nwnet.net!spiff.seattleu.edu!quick!ole!ssc!
markz@network.UCSD.EDU
Subject: Digital microwave project
To: info-hams@ucsd.edu

Keith Ledig (ree88132@zach.fit.edu) wrote:
: I am about to embark on a project that involves the use of microwaves
: to transfer digital data.

: 2. What frequencies can be used for this microwave link? HAM?
: Are there allocated frequencies for such experimentation and
: do they require a license?

If you operate under the provisions of the regulations used for
unlicensed operation (Part 15) there are some allocations that
can run resonable power. Up to 1 watt ERP. On the frequencies
902-928, 2400-2483.5 and 5725-5850 MHz. These are the regulations
used by the new Wireless LANs. (Part 15.247) Spread Spectrum
operation is required.

: 4. Can one antenna be used to transmit AND receive (related to question
: 3 and 5).

If you alternate between the two, all you have to worry about is not
frying the receiver. (As opposed to receiving the signal at the
same time as transmitting.)

: 7. Where can I find out more info on this stuff?

Code of Federal Regulations Title 47 (Telecommunications) Parts 0 to
19. (A book available from a US Government Bookstore, or in the
government section of any large library.)

Code of Federal Regulations Title 47 (Telecommunications) Parts 80 to
End. (For the Private Operational-fixed microwave Service (Part 94)
and the Amateur Radio Service regulations, Part 97).

The ARRL UHF/Microwave Experimenters Handbook.
American Radio Relay League, 1990

The ARRL Spread Spectrum Sourcebook.
American Radio Relay League, 1991

Microwave Handbook, Volumes 1 and 2
Radio Society of Great Britian, 1989 and 1991

Mark Zenier markz@ssc.wa.com markz@ssc.com

Date: 16 Jun 93 03:11:25 GMT
From: ucsbcs1!bap!kevin@network.UCSD.EDU
Subject: DR-600T/TH-78A mods?
To: info-hams@ucsd.edu

Hello all! I'm seeking information and clarification:

- 1) Anyone have modifications for the Alinco DR-600T?
The schematic appears to be a slightly modified DR-599, so mods for that radio are also quite welcome.
- 2) I tried the "remove diodes 4 and 5" mod on my Kenwood TH-78A, but did not get extended transmit (into a dummy load, of course). Extended receive is working. Has anyone else experienced this? Aware of a way out of this?

Thanks for any and all replies. I'd be happy to summarize and post (or email) the fruits of any replies, if requested.

Kevin

Kevin Schmidt University of California, Santa Barbara
kevin@bap.ucsb.edu Office of Budget & Planning
I don't speak for them, they don't speak for me.

Date: 15 Jun 93 08:19:33 GMT
From: news-mail-gateway@ucsd.edu
Subject: Signals for the Far Side ...
To: info-hams@ucsd.edu

For general interest, the only 50MHz signal from the USA that struggled across to Wales (I082JJ) was KC4Y0 (at least, while our station was attended :-)

Maybe next year

73 - Iain
G8SJP/G0RDI/C30DLA/N2TLY

Date: Mon, 14 Jun 93 20:31:32 PDT
From: news.cerf.net!crash!hale!system@network.UCSD.EDU
Subject: Uniden M8100
To: info-hams@ucsd.edu

I wanted to bounce this off you radio active types...

I visited an ex-employer and current friend just to see what's doin' today, and he's redoing his radio systems and making the move to 800MHz.

He came up with several uniden M8100a's, which he has some concerns about 800Mhz. The documentation says they put out 6 watts per his memory.

At anyrate, he was worried about the things he's heard about 800 and got a goldfish and put in a ziplock baggie w/ water and places it about 3" away from the antenna. He then dead key'd the system for ~3 minutes, after which the fish was dead.

This isn't urban myth, And the fish was in it's own water (no chlorine and oxygenated), this was done.

I thought I read somewhere RF around this region really penetrates about 3cm or so into living tissue (actually heats it), so my stab at it was the fish was less than 3cm thick and basically couldn't deal with heat buildup, though it was in water.

SPCA need not reply. I didn't do it!

--- --- --- --- --- --- --- --- --- --- --- --- ---
System@hale.cts.com I believed what I was told, I thought it was a
Hale Telecommunications Inc. good life, I thought I was happy. Then I found
619/660-6734 V.32bis something that changed it all. (Anonymous, 2112)

Date: 16 Jun 93 01:37:28 GMT
From: munnari.oz.au!metro!mippet.ci.com.au!eram!dave@uunet.uu.net
Subject: VK2WI Weekly News, 13 June 1993
To: info-hams@ucsd.edu

[The following suddenly re-appeared on packet radio, from VK2XY,
after an absence of several weeks.]

DICK SMITH'S TRANS-CONTINENTAL BALLOON ATTEMPT:LIFT OFF IMMINENT

As this week's divisional news was prepared, Dick Smith and co-pilot John Wallington were making ready for an expected launch from Carnarvon this Sunday evening.

Stations seeking contact with the special event station supporting and publicising the balloon crossing - VI2AUS should stand by on the bands. This could be it.

VI2AUS will be operating from the Sydney Headquarters of Australian Geographic Magazine in Terrey Hills.

Look out for the callsign on 20 metres in particular, but operation is also scheduled for 80 metres, 40 metres, 30 metres and 15 metres.

The VI2AUS operation has been organised by the N.S.W. Division advertising and publicity section; the team of volunteer operators is co-ordinated by the division's special projects officer, Steve Pall, VK2PS.

Dick Smith Electronics has provided two Yaesu transceivers and other equipment for the Terrey Hills station.

For an update on Dick Smith's attempt, you can get recorded information from

0055 29 060

calls cost 25 cents for 42 seconds.

The message is generally updated each evening.

[NOTE: It is my understanding that the callsign actually used to communicate with Dick will be VK2AWI; the last thing we need is hordes of prefix-hunters descending upon us if things go wrong. DH]

VI2AUS AND WICEN

While the NSW Division fully appreciates the role WICEN plays in the community and within the amateur radio fraternity, the VI2AUS special event operation in support of the Australian Geographic/Dick Smith

Trans-continental Balloon Attempt has been mounted at the personal invitation of Dick Smith to the Division, with the express view of publicising the hobby to the public at large and secondarily providing a publicity vehicle for the NSW Division of the WIA.

As such the VI2AUS operation is not an "emergency exercise", either officially or unofficially. It is not intended to be, even though there is to be certain scheduled communications between the balloon and the Terrey Hills station.

The involvement of volunteers, who may also be members of WICEN, to operate the special event station is welcomed. However, in order that there be no confusion in the minds of the public, or anyone else, the Divisional Council advises that such volunteers are NOT to wear WICEN uniforms, even though it has been broadcast that they are requested to wear them, with leave from the State Co-ordinator for WICEN.

To make matters perfectly clear, NO official or unofficial approach has been made to the Divisional Council by anyone from WICEN and the broadcasting of the request was not sanctioned by Council.

Council will no longer tolerate unwarranted interference with the conduct of the Division's broadcasts, or any official Divisional activities, by persons who have no official standing within the Institute.

Bob Lloyd-Jones VK2YEL
Divisional Secretary

[This WICEN message was not authorised by anyone from WICEN (NSW) Inc;
furthermore at no time had WIA (NSW Division) indicated their intention
to not cooperate with WICEN, nor had they replied to correspondence. DH]

WARNING OVER DUMPING OF LOW-STANDARD ELECTRICAL AND ELECTRONIC PRODUCTS

Australia is in danger of becoming a dumping ground for electrical and electronic equipment of European origin which will not meet stringent new standards requirements of the European Electrotechnical Commission - The E.E.C. - which come into force on the First of January 1996.

The Australian Electrical and Electronic Manufacturers' Association warned of this possibility in their June newsletter.

The E.E.C. set the date of 1 January 1996 for the new maximum emission requirements to apply to electromagnetic interference - E.M.I. - from electrical and electronic products manufactured or sold in Europe after

that date.

Here, the local standard authority - Standards Australia - had made no decision as of June on the question of E.M.I. requirements for such products and the Federal Government's Department of Industry Technology and Regional Development "...has yet to formulate a position," according to the newsletter report.

"There is a risk that if the matter is allowed to drift, an unreasonable timetable for compliance with requirements similar to that imposed by the E.E.C. might be introduced if Australia adopts the same introduction date," says the newsletter.

"Alternatively, if Australia is out of step with the E.E.C. process, the Australian market could become the dumping ground for products that no longer comply with the European requirements." said the report.

The Australian Electrical and Electronic Manufacturers' Association believes that Australia should adopt the same date for E.M.I. compliance for electrical and electronic products manufactured or sold here - that is, 1st January 1996. They are to take up the matter with the relevant Government departments.

AUSTRALIA TOPS 35TH J.O.T.A. PARTICIPATION

With 18.8% of scouts in the country taking part in the 35th Jamboree of the Air last October, Australia scored the highest participation rate among the 23 countries who submitted reports to the world organization of the scout movement.

The Netherlands were close behind Australia, with 14.2% of their scouts participating. However, 17.9% of the guides in the Netherlands took part in last year's J.O.T.A., while 9.9% of Australia's guides participated.

A total of over 400,000 scouts and guides from around the world took part.

- From the International Jota Report 1992, from Peter VK6HU

WIA TO PARTICIPATE IN RADIOCOMMUNICATIONS STANDARDS PREPARATION

Four committees to prepare standards on radiocommunications equipment are being established by the national standards body, Standards Australia, under recent arrangements with the Department of Transport & Communications.

As a member of Standards Australia, the W.I.A. is seeking to participate in the committee processes.

A committee to be called R.C.1. will look at general radiocommunications equipment standards.

Committee R.C.2 will look at standards in the field of satellite and telecommunications networks; R.C.3. will cover low power radiocommunications equipment, and R.C.4. will cover maritime and safety of life equipment.

The committees will be making recommendations on the legislative application of the standards they prepare.

THE LAST LAUGH

It seems that a humorous item on the Broadcast of 11th April has been taken seriously by some amateurs and clubs around the country.

The item concerned discussed how amateurs were able to "GET BACK" the 11 Metre band - 27 MHz.

Despite the fact that the advice was - basically - go and buy a CB Licence, the humorous furphy has been taken as fact and even printed as a "known truth" in a VK3 club newsletter.

No - the much-touted "New Regulations" will not hand back 27 MHz to the amateur radio service.

But, then again, stranger things have happened in the recent past.....

- The N.S.W. Division brings you this news as a public nonsense!

CONTEST NEWS

VK NOVICE CONTEST - NEXT WEEKEND

O.K. all you novices and combined-call licensees - time to polish up the vocal chords and the morse key contacts - for next weekend's W.I.A. VK Novice Contest.

The fun begins at 0800 U.T.C. Saturday, 19th June and continues furiously until 0800 U.T.C. Sunday, the 20th.

Rules for the contest can be found in the May issue of Amateur Radio Magazine.

- From information supplied by
Rob Milliken VK2SRM, Novice Contest Manager

WICEN NEWS

[This is all there was; it is not clear whether this is one of
VK2XY's little jokes. DH]

CLUB NEWS

Firstly, we have a call to all club education or examination officers,
and individuals who conduct license exams.

To assist candidates wishing to sit for examinations, the Division wishes
to compile a register of examination dates.

If you could please contact the Divisional office by letter or fax, giving
details of scheduled exam dates and times, and deadlines for applications,
plus your contact names, addresses and phone numbers.

write to: P.O. Box 1066, Parramatta NSW 2124

or fax: (02) 633 1525

and while we're on the subject of education and examinations, we have a
reminder that the St. George Amateur Radio Society is hosting a seminar on
the subject at the

St. George Masonic Club
86 Roberts Road, Mortdale

on July the 4th.

It will open at 1400 hours and conclude no later than 1700 hours.

The purpose is to meet others who are interested in this part of our
hobby and discuss how we each approach the task.

We may be able to assist one another in either exams or education.

If you are part of a team, or teach at home, you are most welcome.

Contact: Peter Corkeron, VK2AGB, on:

Home Phone Number	(02) 521 6482
Work Phone Number	(02) 529 6778, Mon-Wed-Fri
or Mobile	018 412 629

HORNSBY AND DISTRICT AMATEUR RADIO CLUB

The club meets on the 4th Tuesday of each month, at the Mt Colah Community Hall, Mt Colah, commencing at 8 pm.

The business side of meetings are kept short to get on with what everyone is there for - amateur radio.

A new program of events is currently being planned, so if you have a topic you would like to see presented as a lecture, please let anyone on the committee know.

New members welcome. Contact the club via

P.O. Box 362, Hornsby 2077.

- From Colin, VK2JCC

PARRAMATTA AMATEUR RADIO CLUB

The club's last meeting on the 4th of June was a huge success, with many new enthusiasts discovering the links between the worlds of electronics, computers and amateur radio.

Members and visitors alike shared with each other the practical methods used for electronic construction, ranging from professional methods to the simplest and cheapest suitable for home use.

Next meeting, on Friday the 18th, will be a kit building night. Bring your project - working or not - see what help you can get. There will be experienced people available to either fix your project or offer some assistance to solve your problems.

Bring some hand tools and test gear, if you can. An interesting night is assured.

That's Friday, 18th June, 7.00 pm at Amateur Radio House, 109 Wigram st, Parramatta. Coffee provided.

- from Garry Carter, Program Co-ordinator,
Parramatta Amateur Radio Club

COMING EVENTS

Saturday, June 19th:

VK novice contest commences 0800 U.T.C., concluding
0800 U.T.C. on Sunday, 20th.

Sunday, June 20th:

Wicen supports the Lake Macquarie Half Marathon.
Alan VK2KVF is the contact.

Sunday, June 27th:

Wicen exercise - The Eloura Fun Run; contact Kevin VK2CKD;
and the St Albans Horse Enduro - Contact unknown.

The next Divisional Council meeting is scheduled for Friday, June 18th.
It will be held in-camera. Councillors only. It gets awfully stuffy in
there with any more people in that camera!

Sunday, July 25th:

Divisional Trash & Treasure Sale.

Saturday, August 7th:

Tamworth Amateur Radio Club examinations; note that
applications close on July 15.

The August quarterly divisional examinations will be held on Sunday, the
29th of August. Applications close on Thursday, 12th August.

Finally, Steve VK2QZ advises that the July-September broadcast roster will
be drawn up shortly and asks that all broadcast team members notify him of
any dates you're unavailable.

--

Dave Horsfall (VK2KFU)	VK2KFU @ VK2RWI.NSW.AUS.OC	PGP 2.2
dave@esi.COM.AU	...munnar!esi.COM.AU!dave	available

Date: 15 Jun 93 08:09:30 GMT
From: news-mail-gateway@ucsd.edu
Subject: Wanted: High-Power Amp for 144MHz
To: info-hams@ucsd.edu

Don't overlook the earlier Henry amplifiers - the 6N2 and 2002, which were equipped with 2x8874 triodes.

My experience of those (I have a 2002 ...) :
Feeling that my amp was a little 'long in the tooth' I acquired a newer 2002A, which was equipped with a single 3CX800 tube. After a three month evaluation period, I gave the newer amp to my dog for a garden toy :-)

My perspective is that the earlier, twin tube amplifier is far superior to the current model (easier to tune, more stable, more gain, more output, etc). Of course, this is only _MY_ view - I'm probably wrong, as usual.

Anyone with an unwanted 6N2 or 2002 would be well advised to contact me!

73 - Iain
G8SJP/G0RDI/C30DLA/N2TLY
ip@g8sjp.demon.co.uk

Date: 16 Jun 93 01:42:44 GMT
From: munnari.oz.au!metro!mippet.ci.com.au!eram!dave@uunet.uu.net
Subject: ZL policy on Morse Code
To: info-hams@ucsd.edu

This little snippet appeared on packet radio, and is presented here for your information. Followups are directed to *.policy.

From: ZL2CA @ ZL2WA

VIEWS FROM THE NEW ZEALAND GOVERNMENT ON MANDATORY MORSE CODE TESTING IN THE AMATEUR SERVICE

The Honourable Maurice Williamson, Minister of Communications for the Government of New Zealand released statements regarding International Radio Regulation 2735. RR2735 is the regulation that requires amateurs to qualify with Morse code to obtain a licence to operate on frequencies below 30 MHz.

The following excerpts of significance are quoted from the

Minister's reply:

- * "I believe that the continued presence of RR2735 in the International Radio Regulations, with its associated treaty status, is now anachronistic."
- * "The next opportunity to consider this matter at the international level may be a World Radiocommunication Conference in late 1995"

It is good to see an official statement that mandatory Morse code testing of amateurs is out-of-time. The statements show scope for realistic changes to occur, and in a realistic timescale.

Bob Vernal ZL2CA

--

Dave Horsfall (VK2KFU) VK2KFU @ VK2RWI.NSW.AUS.OC PGP 2.2
dave@esi.COM.AU ...munhari!esi.COM.AU!dave available

Date: 16 Jun 93 03:09:37 GMT
From: munhari.oz.au!metro!mippet.ci.com.au!eram!dave@uunet.uu.net
To: info-hams@ucsd.edu

References <1v0s7t\$1pb@charm.magnus.acs.ohio-state.edu>,
<1993Jun09.193854.14470@microsoft.com>, <739847454snx@llondel.demon.co.uk>
Subject : Re: ham radios in movies

In article <739847454snx@llondel.demon.co.uk>,
dave@llondel.demon.co.uk writes:

| > I've used radios (2m and 70cm) deep down in caves, with little problem.
| >
| Presumably the cave acts like a large waveguide? Does 2M work if you have to
| wriggle through a small opening (i.e. less than 1/2 wavelength in any
| dimension)?

I don't know; this is something I need to work on further. I recall
wriggling through a fairly small slot, but I was in no position to
estimate its dimensions; I was too busy keeping the HT out of the
*&!@# \$ grit :-)

When I get reproducible results I'll write it up for "Speleonautics".

--

Dave Horsfall (VK2KFU) VK2KFU @ VK2RWI.NSW.AUS.OC PGP 2.2
dave@esi.COM.AU ...munari!esi.COM.AU!dave available

End of Info-Hams Digest V93 #734
